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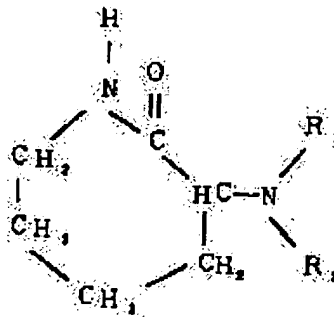
(72)Inventor : FUJIKAWA JUNICHI  
KASHIO SHIGETORA

## (54) PHOTSENSITIVE RESIN COMPOSITION

(57)Abstract:

PURPOSE: To improve image reproducibility and durability by compounding a saponified polyvinyl acetate, a photopolymerizable monomer having an ethylenic unsatd. bond in a molecule, and a specific caprolactam.

CONSTITUTION: This compsn. is formed of (A) 100pts.wt. fully hydrolyzed or partially saponified polyvinyl acetate having 50W100mol% degree of saponification, (B) 20W200pts.wt. a photopolymerizable monomer having an ethylenic unsatd. bond in a molecule, and (C) (W50pts.wt. &alpha;-N-dialkylamino-&epsilon;-caprolactam expressed by the formula (in which R<sub>1</sub>, R<sub>2</sub> are an alkyl group of C1-15 such as methyl, ethyl or the like, R<sub>1</sub> and R<sub>2</sub> may be the same or different). Water solubility decreases considerably if the degree of saponification of the saponified polyvinyl acetate used as the component (A) is <50mol%. Substantial image reproducibility is unobtainable if the amt. of the component (B) to be used is <20pts.wt. and the relief is brittle if said amt. exceeds conversely 200pts.wt. The above-mentioned photosensitive compsn. has a high degree of image reproducibility and durability.



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## INVENTOR-INFORMATION:

NAME

COUNTRY

FUJIKAWA, JUNICHI

KASHIO, SHIGETORA

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

TORAY IND INC

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## ABSTRACT:

PURPOSE: To improve image reproducibility and durability by compounding a saponified polyvinyl acetate, a photopolymerizable monomer having an ethylenic unsatd. bond in a molecule, and a specific caprolactam.

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